

INTERNATIONAL SEARCH REPORT

IB2004/052419

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B26B19/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B26B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/068466 A (MATSUSHITA ELECTRIC WORKS, LTD; SAITO, ATSUHIRO; KATO, HIROKAZU; IWASA) 21 August 2003 (2003-08-21) page 9, paragraph 2 - page 11, paragraph 1 page 14, paragraph 2; figures 1-4,6,11,12	1,2,4,5, 8,9,11, 12,15
X	US 3 103 299 A (WERFT AUGUST R) 10 September 1963 (1963-09-10) column 2, lines 5-34; figure 2	1,4,5, 12,15
A	US 2002/032964 A1 (WESTERHOF WILLEM A ET AL) 21 March 2002 (2002-03-21) paragraphs '0043! - '0046!; figures 1,3,4	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

9 February 2005

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17/02/2005

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03068466	A	21-08-2003	JP 2003236270 A	26-08-2003
			JP 2003236271 A	26-08-2003
			JP 2003290573 A	14-10-2003
			JP 2004113397 A	15-04-2004
			AU 2003206137 A1	04-09-2003
			EP 1474272 A1	10-11-2004
			WO 03068466 A1	21-08-2003
US 3103299	A	10-09-1963	US 3252217 A	24-05-1966
US 2002032964	A1	21-03-2002	AT 283750 T	15-12-2004
			AT 194790 T	15-08-2000
			CN 1199359 A ,C	18-11-1998
			CN 1199360 A ,C	18-11-1998
			DE 69702592 D1	24-08-2000
			DE 69702592 T2	15-03-2001
			DE 69731812 D1	05-01-2005
			EP 1462225 A1	29-09-2004
			EP 0857101 A1	12-08-1998
			EP 0858384 A1	19-08-1998
			EP 0861142 A1	02-09-1998
			ES 2150268 T3	16-11-2000
			WO 9808659 A1	05-03-1998
			WO 9808660 A1	05-03-1998
			WO 9808661 A1	05-03-1998
			JP 11514562 T	14-12-1999
			JP 2002514951 T	21-05-2002
			JP 2000500055 T	11-01-2000
			US 6126669 A	03-10-2000
			US 5993180 A	30-11-1999
			US 6308413 B1	30-10-2001
			US 6312436 B1	06-11-2001
			AT 246576 T	15-08-2003
			DE 69816960 D1	11-09-2003
			DE 69816960 T2	17-06-2004
			EP 0930960 A1	28-07-1999
			ES 2202822 T3	01-04-2004
			WO 9855274 A1	10-12-1998
			JP 2000516124 T	05-12-2000
			US 6131288 A	17-10-2000
			US RE38634 E1	26-10-2004